

Product datasheet for **SC115715**

WDHD1 (NM_007086) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDHD1 (NM_007086) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDHD1
Synonyms:	AND-1; AND1; CHTF4; CTF4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007086, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGCCACACGGAAGCCAATGAGATATGGGCATACAGAGGGACACACGGAGGTCTGTTTTGATGATT
CTGGGAGTTTTATTGTGACTTGTGGAAGTGATGGTGATGTGAGGATTTGGGAAGACTTGGATGATGATGA
TCCTAAGTTCATTAATGTTGGAGAAAAGGCATATTCATGTGCTTTGAAGAGTGGAAAAGTGGTCACTGCA
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AGTCAAAATTGTGGATGTGATGGATAGCAGCCAACAGAAAACATTTGAGGACATGATGCCCTGTTTTA
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CATATGTCTCGGTCAAGGATGGGCTGCTGCCGCTACTAGTGCCCTGCTTCTTCGATTGTTTACTATTGGA
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 AGAAAAAGCAAAGAGAACTGAATTTGTCTAAAAGCAGAAACCTTTAGATTTTCTACAAATCAGAAA
 CTATCAGCTTTTGCATTTAAGCAGGAGTAA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_007086 unedited
 AGAATTTTGAATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGGGAAGCGCGG
 GAAGCAGCTCTTGTGGATCCTCAGTGGCGGAGGCTCGGTACCCCGATAGGTAAAGGAAA
 ACATGCCTGCCACACGGAAGCCAATGAGATATGGGCATACAGAGGGACACACGGAGGTCT
 GTTTTGTGATTCTGGGAGTTTTATTGTGACTTGTGGAAGTATGGTGTGATGTGAGGATTT
 GGGAAAGACTTGGATGATGATGATCCTAAGTTCATTAATGTTGGAGAAAAGGCATATTCAT
 GTGCTTTGAAGAGTGGAAAATGGTCACTGCAGTTTCTAATAATACTATTCAAGTCCACA
 CATTTCTGAAGGAGTTCAGATGGTATATTGACTCGCTTCACTACAAATGCAAACCATG
 TGGTCTTTAATGGGGATGGTACTAAAATGCTGCTGGATCTAGTATTTTCTAGTCAAAA
 TTGTGGATGTGATGGATAGCAGCCAACAGAAAACATTTTCGAGGACATGATGCCCCGTGTT
 TAAGTCTTTCTTTGATCCTAAGGACATCTTTCTGGCATCAGCTAGTTGTGATGGATCTG
 TCAGAGTGTGGCAAATTTTCAGATCAGACATGTGCTATTAGTTGGCCACTGCTACAAAAAT
 GCAACGATGTGATAAATGCAAAAATCAATCTGCAGACTTGTGGCAGCCAAAAAGTGGGA
 AGTTACTGGNCATTTCTGTGGAAAAATCTGTTAAGCTATATAGAAGAGAACTTTGGAGTC
 ATCAATTTGATCTTTTCAGATAATTCATCTCAGACCCTCATATAGTAACCTGGTCTCCC
 CTGTGGNCATATTAGCTGCAGGTAGTATTAATGGTCTAATCATAGNTNGGAATGTNGAA
 ACCAAGACTGCATGGNAAGGGTGAACATGANAAAGGTATGCATTTGNTGTCTGCCATGCA
 TCCTACTTGTGGTCGAAATCGNTACTGATGCGGAAGAAATCTAGGN

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_007086 unedited</p> <pre> ATGGCCGCGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTATTAATGCACAAA GGTTTTAATACCTTGGCTTAAATGATTTTTCAAGGTTAAGAAACAAATCAAATTGGTTG GAGTTCAACTCAGTAATTACAATCACAATGCATCTCTGAAAGGCCCTGCATTTGGAGGC AGAGTAATCTGCAAAGATGATAGTTTTTACATATGTCCTGTTACCTACACCAATAAATT ACTACATTATCTATAAAGACAAACAGTTGCTTCAAACCTTTAAAAAATATATATATAA TGAGTTTCCCAAAGACTCGAGTCTATATTCAAAGATGAGTAAAAAAAACCCATTACTTC CCTAGGGTCACTTCTTCTTTACTCCTGCTTAAATGCAAAGCTGATAGCCCTGATTT GTACAAAAATCTAAAGTTTCTGCTTTCTAGACAAATTCAGGTTCTCTCTGCTTTTTCT TCTCGCTTTCTGTTTCATCACTTTTCATCAACGACACGTTTTTCGCTTCTTCGCTCCGTT CCTTCACTTGCCGTTTCTCTTTGGCTTGTAGCCACACCTTTCTCTCTCACCCGCA ATCCCCTAAATCGAACATTCTTCTTTATTATGCCTGCTTATCTGACACTCCCGACCGCC GNACAAATATCCCTTTTATCCCTTCCAAAACCCCGAACCCGGCCTTTGCCCTGGCTT TAACCCCTTGACTAGGCCTTCCCCCGCGCCCAACACCCCATCTCCCACTTTCCCT CTCACTTCCAATCCCACCACTTAAAACCCCTCCCTGCACCATTTTTNTCCAAACCCCC CNNANNNNNCCCNCCNACCCCCCNCCCNCCCNCCCNCCCNCCNCCNCCNCCNCCNCCN NCCCNCCCNCCNCCCNCCCNCCCNCCCNCCCNCCCNCCCNCCNCCNCCNCCNCCNCCN CNCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCN CNCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_007086
Insert Size:	5030 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_007086.2 , NP_009017.1

RefSeq Size: 4734 bp
RefSeq ORF: 3390 bp
Locus ID: 11169
UniProt ID: [O75717](#)
Cytogenetics: 14q22.2-q22.3
Domains: HMG, WD40

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene contains multiple N-terminal WD40 domains and a C-terminal high mobility group (HMG) box. WD40 domains are found in a variety of eukaryotic proteins and may function as adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly. HMG boxes are found in many eukaryotic proteins involved in chromatin assembly, transcription and replication. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.